

**Laboratory facilities exclusive to the Post Graduate Course
Academic Session 2024-25**

Name of PG Course: **Power Systems**

Department: **Electrical Engineering**

Name of Lab	Equipment/ Specification	Qty.	Year of Purchase
Research Lab : 6F:EE:Lab-08	IBM Server IBM X 3400M3 Intel ® Xeon ® CPU E5606 @ 2.13Ghz 16GB RAM 500 GB HDD	01	06-02-2013
	HP Pavilion P6 Series Intel ® Core ™ i5-3330 CPU E 7500@ 3.00Ghz 4GB DDR 3 RAM 500 GB HDD	07	28-01-2013
	Lenovo Think Center Intel ® Core ™ 2 Duo CPU E7500 @ 2.93 Ghz,4GB RAM, 320 GB HDD & 240 GB SSD	04	27-08-2011
	Intel ® Core Pentium Intel ® CPU G 630 @ 2.70 Ghz 4GB RAM 500GB HDD & SSD 240 GB	06	09-09-2014
	Dell Vostro VDT3910 CPU 12 Gen Intel Core i7 @ 2.10 ghz 8 GB RAM.512 SSD	02	04-11-2022
	PSCAD Educational (License) (30 User) MATLAB Power Word Simulator (Open Source) Windows 7 Ultimate Server Operating System 2012	30 Users 10 Users 10 Users 1 User	07-12-2012 06-02-2013

Name of PG Course: **Digital Communication**

Department: **Electronics & Communication Engineering**

Name of Lab	Equipment/ Specification/Software	Qty.	Year of Purchase (to be added later on)
M. Tech LAB	MATLAB 2022 with 5G tools	(25 users)	31/12/22
	Computer Systems	18	19/01/18
	Digital multimeter	01	20/02/15
	DSP Starter Kit	03	17/09/13
	CDMA Trainer Kit ST-2131	01	17/09/13
	DSO(PDS 5022s	01	19/09/13
	Communication Trainer Kit & Accessories Model XPO:COM	3+3	17/09/13
	Mentor DSP Software	(10 Users)	15/03/11

Name of PG Course: **Renewable Energy Technology**

Department: **Mechanical Engineering**

Name of Lab	Equipment/ Specification	Qty.	Year of Purchase (to be added later on)
	Bio-Diesel Plant Reactor of 2 ltr capacity of made of SS304, with heating arrangement and insulated, stirrer arrangement,	01	2024

Renewable Technology Lab	heating of conical flask made of SS304, PID controller, temperature sensors		
	Digital Weight Balance Range – 220g, Accuracy – 0.001 g	01	2015
	Pyranometer Measuring range 0-2000W/m ²	01	2015
	Parabolic Solar Concentrator Temperature at focal point at different angle	01	2015
	Sunshine recorder Glass sphere diameter = 10 cm, weight = 5.7 kg, dimension: 200mm × 180mm × 250mm	01	2015
	Lux Meter Measures from 0 to 50000 Lux/Fc in four range with resolution 0.1 Lux/Fc	01	2015

Name of PG Course: **Transportation Engineering**

Department: **Civil Engineering**

Name of Lab	Equipment/ Specification	Qty.
Traffic Studies and Analysis Lab	Computers (Make: DELL) 12 th Generation Intel ® Core™i7-12700, CPU @ 2.10 GHZ 8 GB DDR3 RAM 500 GB HDD 18.5” LCD Monitor Dell Keyboard Dell Mouse Windows 10 operating System	18
	AutoCAD 2023 (Educational Version), Revit 2023 (Educational Version)	
	Switch (CISCO – 48 Ports)	01
	Printer (Canon Laser LBP 2900)	01
	Projector	01
	UPS (ETN 6KVA/240V)	01

Name of PG Course: **Computer Science and Engineering**

Department: **Computer Science and Engineering**

Name of Lab	Equipment/ Specification	Qty.	Year of Purchase (to be added later on)
RESEARCH LAB (CL 13)	Intel(R) Core (TM) i5-10400 CPU @ 2.90GHz 2.90 GHz, Keyboard, Mouse, 19-inch Monitor, 8GB RAM, 256GB SSD	32	2021
	Projector(LCD)EPSON-EB	01	2022
	Printer CANON	01	2015
	UPS	01	2015
	Switches	01	2015
	Headphone	01	2020
	WebCam	01	2020
	32GBPenDrive	01	2022
	Window AC	02	2015